

<p style="text-align: center;">FORM PTO-1449 (Modified)</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;">(use as many sheets as necessary)</p>				Application No.: Not yet assigned	Art Unit: Not yet assigned
				Filing Date: Herewith	Examiner Name: Not yet assigned
				First Named Inventor: Peter Wilding	Attorney Docket No.: 1070-PENN-E890- CON5
Sheet	1	of	1		

U.S. PATENT DOCUMENT

Examiner Initial	CITE NO.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document

FOREIGN PATENT DOCUMENTS

Examiner Initial	CITE NO.	Foreign patent Document Number	COUNTRY	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	English Translation Attached
cr	B1	WO 91/16966	WO	November 14, 1991	Ekstrom et al.	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initial	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published				English Translation Attached

EXAMINER SIGNATURE: <i>C. Chui</i>	DATE CONSIDERED: 6/20/94
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY DOCKET NO.: UPA-001 (8261/2)

APPLICANT: Wilding et al.

SERIAL NO.: 07/877,702

FILING DATE: May 1, 1992 GROUP: 161

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
u	AA	4,233,029	11/80	Columbus			
	AB	4,302,313	11/81	Columbus			
↓	AC	4,618,476	10/86	Columbus			
u	AD	4,911,782	3/90	Brown			

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
u	BA	0 320 308	6/89	EP					Y
	BB	0 439 182	7/91	EP					Y
↓	BC	3,915,920	11/90	DE					N
u	BD	2,191,110	12/87	GB					Y

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.			
u	CA	Anderson, <u>Nature</u> , 355:379 (1992).	
	CB	Angell, et al., <u>Scientific American</u> , 248:44-55 (1983).	
	CC	Appenzeller, <u>Science</u> , 254:1300-1342 (1991).	
.	CD	Barany, <u>Proc. Natl. Acad. Sci.</u> , 88:189-192 (1991).	
	CE	Brown, "Development of a Stopped-Flow Cytometer," NSF Grant No. ISI 87-60730	
	CF	Brunette, <u>Exper. Cell Res.</u> , 167: 203-217 (1986).	
↓	CG	Brunette, <u>Exper. Cell Res.</u> , 164: 11-26 (1986).	

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			SERIAL NO.: 07/077,702
EXAM. INIT.			FILING DATE: May 1, 1992 GROUP: 164/
<u>u</u>	CH	Columbus et al., <u>Clin. Chem.</u> , <u>33</u> :1531-1537 (1987).	
	CI	DeLuca et al., <u>Arch. Biochem. Biophys.</u> , <u>255</u> :285-292 (1983).	
	CJ	Dessy, <u>Chemometrics and Intelligent Laboratory Systems</u> , <u>8</u> :311 (1990) Abstract.	
	CK	Esashi et al., "Integrated Flow Control Systems Fabricated on a Silicon Wafer," <u>Proceedings, Electrochemical Society Conference</u> , HI (18-23 October, 1987), <u>Electrochemical Society</u> , Pennington, NJ, pp. 31-38B, 1987.	
	CL	Fromherz et al., <u>Biochimica et Biophysica Acta</u> , <u>1062</u> :103-107 (1991).	
	CM	Goin et al., <u>Clin. Chem.</u> , <u>32</u> :1655-1659 (1986).	
	CN	Haller in: <u>Solid Phase Biochemistry</u> , W.H. Scouten, Ed., John Wiley, New York, pp. 535-597 (1983).	
	CO	Hanazato et al., <u>IEEE Transactions Electron. Devices</u> ; <u>ED33</u> :47-51 (1986).	
	CP	Hoopman, "Microchanneled Structures," Applied Technology Laboratory, 3M Center, St. Paul, MN 55144-1000	
	CQ	Howe et al., <u>IEEE Transactions Electron Devices</u> , <u>ED33</u> :499-506 (1986).	
	CR	Hung et al, <u>Med. & Biol. Engng.</u> , <u>9</u> :237-245 (1971).	
	CS	Jonsson, <u>Methods in Enzymology</u> , <u>137</u> :381-389 (1988).	
	CT	Kennedy et al., <u>Clin. Chem. Acta.</u> , <u>70</u> :1-31 (1976).	
	CU	Kenny et al., <u>Appl. Phys. Lett.</u> , <u>58</u> :100-102 (1991).	
	CV	Kikuchi et al., "Microchannels Made on Silicon Wafer for Measurement of Flow Properties of Blood Cells," <u>Biorheology</u> , <u>26</u> :1055 (1989), Abstract.	
	CW	Kittilsland et al., <u>Journal de Physique</u> , <u>49</u> (C4):641-644 (1988).	
	CX	Kittilsland et al., <u>Sensors and Activators</u> , <u>A21-A23</u> :904-907 (1990).	
	CY	Kricka et al., "Liquid Transport in Micron and Submicron Channels," <u>SPIE</u> , <u>1167</u> :159-168 (1989).	
	CZ	Kricka et al., <u>Clin Chem.</u> , <u>26</u> :741-744 (1980).	
	CCA	LaCelle, <u>Blood Cells</u> , <u>12</u> :179-189 (1986).	
<u>v</u>	CCB	Mandenius et al., <u>Anal. Biochem.</u> , <u>137</u> :106-114 (1984).	
<u>u</u>	CCC	Mandenius et al., <u>Anal. Biochem.</u> , <u>170</u> :68-72 (1988).	

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EXAM. INIT.		FILING DATE: May 1, 1992 GROUP:
cc	CCD	Mandenius et al., <u>Methods in Enzymology</u> , 137:388-394 (1988).
	CCE	Manz et al., <u>Trends in Anal. Chem.</u> , 10:144-149 (1991).
	CCF	Masuda et al., <u>Proc. IEEE/IAS Meeting</u> , pp. 1549-1553 (1987)
	CCG	McCartney et al., <u>Cancer Res.</u> , 41:3046-3051 (1981).
	CCH	Moghissi et al., <u>Am. J. Obstet. Gynecol.</u> , 114:405-(1972).
	CCI	Nakamura, <u>Immunochemical Assays and Biosensor Technology for the 1990's</u> , American Society of Microbiology, Washington, D.C., pp. 205-215 (1992).
	CCJ	Nakamura et al., <u>Anal. Chem.</u> , 63:268-272 (1991).
	CCK	Parce et al., <u>Science</u> , 24:243-247 (1989).
	CCL	Rosenberg et al., <u>Clin. Chem.</u> , 30:1462-1466 (1984).
	CCM	Rosenberg et al., <u>Clin. Chem.</u> , 31:1444-1448 (1985).
	CCN	Sankolli et al., <u>J. Immun. Methods</u> , 104:191-194 (1987).
	CCO	Sato, et al., <u>Sensors and Actuators</u> , A21-A23:948-951 (1990).
	CCP	Shoji, et al., <u>Sensors and Actuators</u> , 15:101-107 (1988).
	CCQ	Strange et al., <u>Biomaterials</u> , 9:3-6 (1988).
	CCR	Van Lintel, <u>Sensors and Actuators</u> , 15:153-167 (1988).
	CCS	Wallis et al., <u>J. Amer. Ceramic Soc.</u> , 53:563-567 (1970).
	CCT	Washizu et al., <u>Proceedings IEEE/IAS Meeting</u> , pp. 1735-1740 (1988).
	CCU	Weissman et al. <u>Am Inst. Chem. Eng. J.</u> 17:25-30 (1971).
.	CCV	Zemel et al. in: <u>Fundamentals and Applications of Chemical Sensors</u> , D. Schuetzle and R. Hammerle, Eds., Washington, D.C., 1986, p. 2-38.
	CCW	Biotrack, Ciba Corning, May, 1989.
	CCX	Wilding, <u>Advanced Hospital Technology Laboratory</u> , October, 1990 pp. 38-42.
cc	CCY	Roche, On-Trak™, September, 1988.
EXAMINER	C. Chin	DATE CONSIDERED 6/20/94

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INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: UPA-001 (8261/2)

APPLICANT: Wilding et al.

SERIAL NO.: 07/877,702

FILING DATE: 05/01/92 GROUP:

EXAM. INIT.	OTHER ART, JOURNAL ARTICLES, ETC.
CA	Angell et al., <u>Scientific American</u> , 248:44-55 (1983).
CB	Appenzeller, <u>Science</u> , 254:1300-1342 (1991).
CC	Brown, "Development of a Stopped-Flow Cytometer," NSF Grant No. ISI 87-60730, Abstract.
CD	Brunette, <u>Exper. Cell Res.</u> , 167:203-217 (1986).
CE	Brunette, <u>Exper. Cell. Res.</u> , 164:11-26 (1986).

EXAMINER

C. Chin

DATE CONSIDERED

6/20/04

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTORNEY DOCKET NO.: UPA-001 (8261/2)
		APPLICANT: Wilding et al.
		SERIAL NO.: 07/877,702
		FILING DATE: 05/01/93
		GROUP:

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
u	AA	4,963,498	10/16/90	Hillman	—	—	
u	AB	5,135,720	08/04/92	Uchida	—	—	
u	AC	5,147,606	09/15/92	Charlton	—	—	

EXAM. INIT.		OTHER ART, JOURNAL ARTICLES, ETC.
u	CA	Kinosita et al., "Dual-View Microscopy With A Single Camera: Real-Time Imaging Of Molecular Orientations And Calcium," <u>J. Cell Biol.</u> , <u>115</u> :67-73 (1991) (Abstract).

EXAMINER

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		APPLICANT: Wilding et al.				
		SERIAL NO.: 07/877,702				
		FILING DATE: 05/01/92			GROUP: 164/	
U.S. PATENT DOCUMENTS						
EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
a	AA 4,906,439	3/06/90	Grenner			
OTHER ART, JOURNAL ARTICLES, ETC.						

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FILING DATE: 05/01/92		GROUP:

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
a	AA	4,908,112	03/13/90	Pace			

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
a	BA	91/16966	11/91	PCT					

AMINER

C. Chiu

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		FILING DATE: 05/01/92			GROUP: 1802 164				
U.S. PATENT DOCUMENTS									
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FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
u	BA	WO 91/13338	9/05/91	PCT					
EXAM. INIT.		OTHER ART, JOURNAL ARTICLES, ETC.							

EXAMINER

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